

10" 10NPM-1

Mid-Woofer



Key features:

- **HI SENSITIVITY, HI POWER HANDLING**

- **CARBON FIBER LOADED PAPER CONE, NOMEX SPIDER**

- **EXCELLENT FREQUENCY RESPONSE**

Design notes:

The 10NPM is a high efficiency, (95 dB 1watt / 1 meter) 10-inch mid bass woofer with incredibly linear frequency response characteristics, extreme high power handling capability while generating low harmonic distortion artifacts.-

The 10NPM uses a lightweight carbon fiber loaded cone assembly along with a

precision double roll constant geometry surround. This combination provides remarkable strength, high efficiency and a excursion linearity of 7.5mm.

Magnetic Circuit
REDCATT engineers have developed a lightweight, inside-neodymium slug based

magnetic circuit capable of delivering the highest level of performance providing a consistent, high integrity magnetic flux gap, ultra low distortion characteristic and high efficiency cooling system. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

Specifications:

General specs	
Nominal Diameter:	10 "
Rated Impedance:	8 ohm
Power handling	
AES Power:	400 watts
Program Power:	800 watts
Peak Power:	1600 watts
Voice Coil	
Diameter:	76.2 mm
Winding wire:	CCAW
Former:	Glass Fiber
Winding height:	18.6 mm

T/S Parameters	
Resonant frequency:	64 Hz
Re:	4.7 ohm
Qes:	0.29
Qms:	7.7
Qts:	0.28
Vas:	23 liters
Sd:	363 cm²
Sensitivity:	97.48 dB
Mms:	50.7 grams
Bl:	18.3
Le:	0.52 mH

Design details	
Surround Material:	fabric
Cone material:	Paper CF
Spider:	Nomex
Plate thickness:	10.5 mm
Overall diameter:	262 mm
Bolt circle diameter:	246 mm
Baffle cutout dia.:	234 mm
Mounting holes:	4
Depth:	107.8 mm
Net weight:	3.8 kg

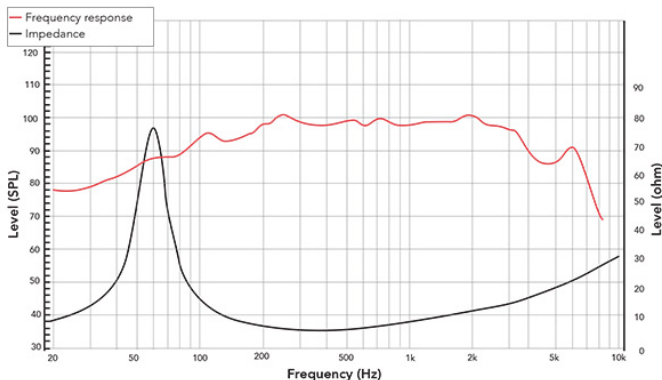
Ordering codes:	
DR-10-017-8R-B2-C0001	
Legacy code: 10NPMX8-055	
Recone kits:	

RC10NPMX8-055

In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance

2D drawing



Frequency response measured on IEC baffle

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